

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (currently amended) ~~The apparatus of claim 1,~~ An apparatus for measuring fuel amount contained in a fuel tank of a vehicle, comprising:
transmission lines provided within said fuel tank and being supplied with a high-frequency wave;
a measuring circuit for measuring an amplitude of a reflective wave of the high-frequency wave on said transmission lines, said amplitude being varied in accordance with an impedance of the transmission lines,
wherein said impedance varies in accordance with a fuel amount contained in said fuel tank; and

wherein a load resistor is provided at the ends of said transmission lines, said transmission lines being provided within a pipe member made of nonconductor, said pipe member having an open end and being provided with said fuel therein.

6. (original) The apparatus of claim 5, wherein said transmission lines and said load resistor are sealed with a nonconductor.

7. (canceled)

8. (canceled)

9. (canceled)

10. (new) The apparatus of claim 5, wherein said load resistor comprises a coplanar waveguide connected to said measuring circuit.

11. (new) The apparatus of claim 6, wherein said transmission lines and said load resistor are adapted to perform reflective wave generation.